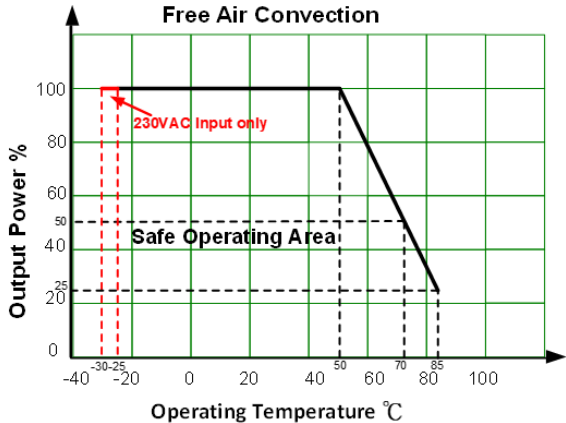
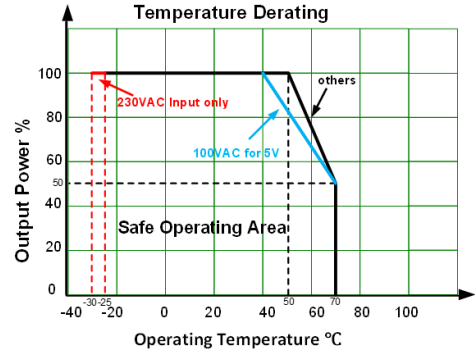


June 5th, 2025

Product Change Notification

PCN #:	AM20250605-1
Issue Date:	June 5 th , 2025
Products series affected:	AMEL45-HAGY series
Product list:	AMEL45-5SHAGY, AMEL45-12SHAGY, AMEL45-15SHAGY, AMEL45-24SHAGY, AMEL45-48SHAGY, AMEL45-5SHAGY-ST, AMEL45-12SHAGY-ST, AMEL45-15SHAGY-ST, AMEL45-24SHAGY-ST, AMEL45-48SHAGY-ST.
Effective Date:	All part numbers listed in the above product list from the AMEL45-HAGY series shipping from Aimtec as of the issue date of this PCN.
Description of change:	All part numbers listed in the above product list from the AMEL45-HAGY series have their overvoltage category, over voltage protection, operating temperature, no-load power consumption, input voltage, dimensions and derating updated as per the details provided in the following ANNEX 1.
Reason for change:	This change has been implemented due to the improvement of our raw materials tolerance.
Customer Impact:	Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.
Package Diagram:	N/A

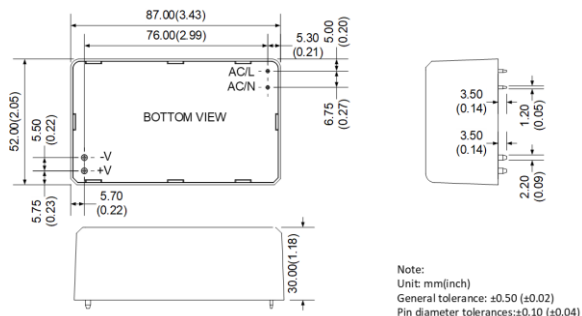
ANNEX 1

Parameter	Updated AMEL45-HAGY	OLD AMEL45-HAGY
Overvoltage category	Class II (According to EN62368-1; altitude up to 2000 meters)	Class II (designed to meet EN61558)
Over voltage protection	5Vout, Shut off o/p voltage, clamping by zener diode: 7.5VDC max. 12Vout, Shut off o/p voltage, clamping by zener diode: 16.5VDC max. 15Vout, Shut off o/p voltage, clamping by zener diode: 24VDC max. 24Vout, Shut off o/p voltage, clamping by zener diode: 34VDC max. 48Vout, Shut off o/p voltage, clamping by zener diode: 65VDC max.	5Vout, hiccup, Auto recovery: 6.75VDC max. 12Vout, hiccup, Auto recovery: 16.2VDC max. 15Vout, hiccup, Auto recovery: 20.25VDC max. 24Vout, hiccup, Auto recovery: 32.4VDC max. 48Vout, hiccup, Auto recovery: 64.8VDC max.
Operating temperature	-30 to +85°C	-30 to +70°C
No-load power consumption	0.15W typ.	0.1W typ.
Input voltage	90-264VAC	90-264VAC 120-370VDC
Derating	 Free Air Convection Output Power % vs Operating Temperature °C. The graph shows a constant output power of 100% from -40°C to 50°C. At 50°C, the power begins to derate linearly, reaching 25% at 85°C. A red dashed box labeled '230VAC Input only' covers the temperature range from -30°C to -20°C. A 'Safe Operating Area' is indicated by a dashed line at 50% output power.	 Temperature Derating Output Power % vs Operating Temperature °C. The graph shows a constant output power of 100% from -40°C to 50°C. At 50°C, the power begins to derate linearly, reaching 50% at 70°C. A red dashed box labeled '230VAC Input only' covers the temperature range from -30°C to -20°C. A blue dashed line labeled '100VAC for 5V' is shown. A 'Safe Operating Area' is indicated by a dashed line at 50% output power. Other derating curves are labeled 'others'.

Dimensions

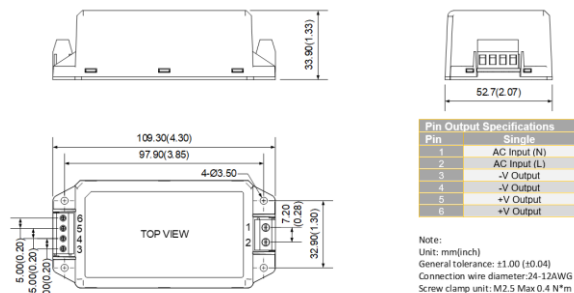
PCB mountable models:

3.43 x 2.05 x 1.18 inches (87.0 x 52.0 x 30.0 mm)



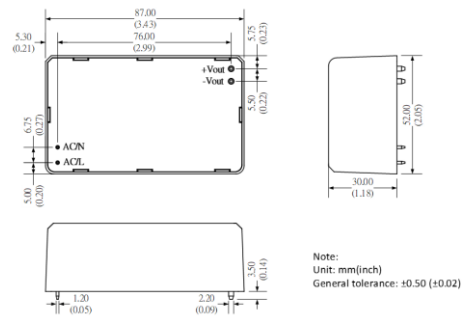
With optional -ST mounting plate:

4.30 x 2.07 x 1.33 inches (109.3 x 52.7 x 33.9 mm)



PCB mountable models:

3.43 x 2.05 x 1.18 inches (87.0 x 52.0 x 30.0 mm)



With optional -ST mounting plate:

4.30 x 2.08 x 1.33 inches (109.3 x 52.77 x 33.9 mm)

